
0600As--SAV--Baseline-Tier1--2010

****DATA SOURCE****

Data were compiled from surveys conducted in the Gulf of Mexico. Data were compiled from NewFields Environmental Forensics Practice, LLC (Alpha) lab electronic data. The following SDGs (QC Batches) have been incorporated into the database: 1011162, 1011218, 1011219, 1101016, 1105102. Data were also compiled from the following TDI-Brooks lab electronic data: 10-2428. The data sets were for samples collected from SAV--Baseline-Tier1--2010.

****DATA COLLECTION PURPOSE****

Natural Resource Damage Assessment

****DATA USE QUALIFICATION****

Values for concentration and detection limit should be interpreted to 3 significant figures. Values for reporting limits should be interpreted to 1 significant figure.

****STUDY****

This study includes the following data: Water chemistry, Sediment chemistry and Tissue chemistry.

****STATION****

StationIDs are based on the Grid locations as recorded in the NOAA Field Sample Database, plus a sequential number used for each distinct latitude/longitude position reported. Datum was NAD83.

****SAMPLES AND REPLICATES****

The collection depth of water samples in the fields UDepth and LDepth are reported in meters.

The original SampleIDs reported by the lab from the Chain-of-Custody are stored in the ExSampleID field.

Samples were assigned to each unique location and depth, and field duplicates were coded with a "D" in the SampleID and with a SampType of "FDUP." Subsequent field duplicates (splits) then have a sequential numbering "D2, D3, etc.

The default labrep code was "1A." Lab duplicates (second analysis of same sample for same analytical method) were assigned labrep "2A". Lab duplicates were identified as those samples with a "D" suffix on the labID.

Several analytes are reported from 2 different analytical methods. The "preferred" result (usually with lower detection limits) is given the default labrep code (e.g., "1A" or "2A"). The results from the non-preferred analytical method have a "X" appended to the labrep code (e.g., "1AX" or "2AX") The results from the non-preferred analytical method have a "X" appended to the labrep code (e.g., "1AX" or "2AX"). The following chemcode/analytes were measured using two methods:

Methods: Steranes and Triterpanes | 8270M and Alkylated Polynuclear Aromatic Hydrocarbons | 8270M HOP/ Hopane

The results for Steranes and Triterpanes | 8270M were assigned labrep "1AX"

Alpha Lab Analytical Methods:

Alkylated Polynuclear Aromatic Hydrocarbons | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Alkylated PAHs)

Inorganics Lab SOP | SOP OP-015 Rev. 3 (abbreviated as Lipids Rev3)

Inorganics Percent Solids Determination - 2540G - SOP W-001 Rev 3 (abbreviated as 2540G - Total Solids (Rev3))

Inorganics Percent Solids Determination | SM2540G | SOP W-001 Rev. 5 (abbreviated as 2540G - Total Solids (Rev5))

Inorganics | 9060M | SOP. W-028 Rev. 1 (abbreviated as Lipids)

Percent Moisture | SM2540G | SOP W-001 Rev. 5 (abbreviated as 2540G - Moisture (Rev5))

Steranes and Triterpanes | 8270M | SOP. 0-008 Rev. 6 (abbreviated as 8270 M - Steranes&Triterpanes)

Total Organic Carbon | 9060M | SOP. W-028 Rev. 1 (abbreviated as 9060 M - TOC)

Total Saturated Hydrocarbons by GC/FID | 8015M | SOP. 0-003 Rev. 5 (abbreviated as 8015 M - Tot Sat. HC - GC/FID)

TDI Lab Analytical Methods:

B&B SOP1006 - Aromatic Hydrocarbon Determination by Selected Ion Monitoring Gas Chromatography/Mass (abbreviated as 8270 M B&B SOP1006 GC/MS)

B&B SOP1016 - Aliphatic Hydrocarbon Determination by Gas Chromatography/Flame Ionization Detection (abbreviated as 8015 B&B SOP1016 GC/FID)

****SUMMED PARAMETERS****

No sums were calculated.

****QUALIFIERS****

Qualifiers recorded in the chemistry files represent the final data qualifiers provided by the data validation. Descriptions of the data qualifiers are included in the data dictionary.

****OTHER****

The original analyte in Alpha lab EDDs reported as Benzo(k)fluoranthene was identified by the data validators to be a coelution of Benzo(k)fluoranthene and Benzo(j)fluoranthene. Therefore, the chemical data for the original Benzo(k)fluoranthene results have been assigned a chemical code for Benzo(j+k)fluoranthene.

The original analyte in Alpha lab EDDs reported as "Total Petroleum Hydrocarbons (C9-C44)" was proposed to need further distinction based on information acquired from the data validators. If the sample was not subjected to silica gel cleanup; it was suggested that the results represented "Total Extractable Matter (C9-C44)". If the sample was subjected to silica gel cleanup; it was suggested that the results represented "Total Extractable Hydrocarbon (C9-C44)". These chemical code/chemical name modifications made by the validators were used to report the original total petroleum hydrocarbon results in the final chemistry tables.